CEILING FAN OWNER'S MANUAL

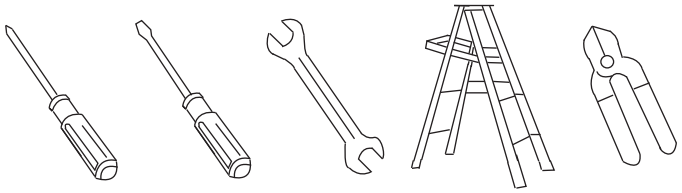
READ AND SAVE THESE INSTRUCTIONS

MODEL: 52-417H-3SV-SN
52-417H-3WA-13

FAN RATING AC 120V. 60Hz
CUL LISTED MODEL : AC-652

1. TOOLS AND MATERIALS REQUIRED

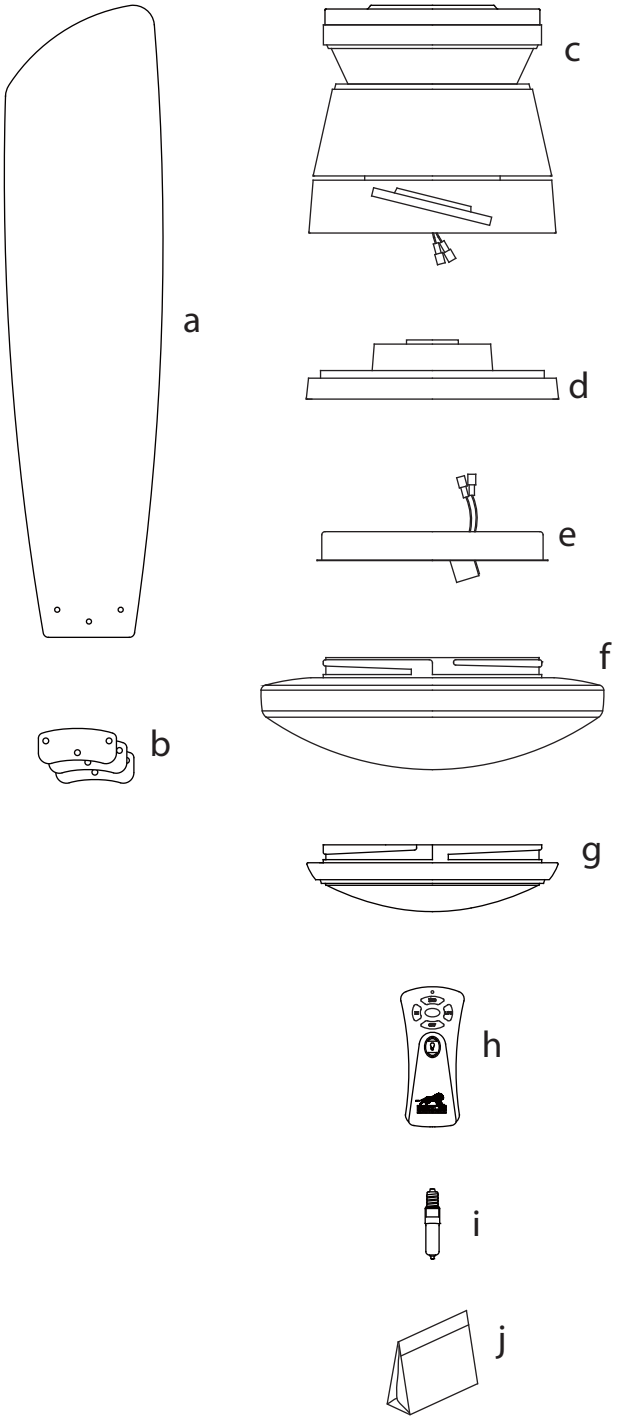
- Philips screw driver
- Blade screw driver
- 11 mm wrench
- Step ladder
- Wire cutters



2. PACKAGE CONTENTS

Unpack your fan and check the contents. You should have the following items:

a. Set of blades assembly (3)
b. Blade support plates (3)
c. Fan motor assembly
d. Mounting plate
e. Light kit
f. Glass shade
g. Metal light cover (for optional use)
h. Transmitter+holder+2 mounting screws
i. 100W halogen bulb
j. Package hardware
   1) Mounting hardware : screws(2), lock washers(2), washers(2), star washers(2), wire nuts(3), wood screws(2)
   2) Blade attachment hardware: screws(10), fiber washers(10)
   3) Safety cable hardware: wood screws, lock washers, metal washers
   4) Balance Kit



3. SAFETY RULES

1. To reduce the risk of electric shock, insure electricity has been turned off at the circuit breaker or fuse box before beginning.

2. All wiring must be in accordance with the National Electrical Code and local electrical codes. Electrical installation should be performed by a qualified licensed electrician.

3. **WARNING:** To reduce the risk of electrical shock and fire, do not use this fan with any solid-state fan speed control device.

4. **WARNING:** To reduce the risk of personal injury, use only the two steel screws (and lock washers) provided with the outlet box for mounting to the outlet box. Most outlet boxes commonly used for the support of lighting fixtures are not acceptable for fan support and may need to be replaced, consult a qualified electrician if in doubt.

WARNING
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY, MOUNT FAN TO OUTLET BOX MARKED **"ACCEPTABLE FOR FAN SUPPORT".**

5. The outlet box and support structure must be securely mounted and capable of reliably supporting a minimum of 50 pounds. Use only CUL Listed outlet boxes marked **"FOR FAN SUPPORT".**

6. The fan must be mounted with a minimum of 7 feet clearance from the trailing edge of the blades to the floor.

7. Do not operate reversing switch while fan blades are in motion. Fan must be turned off and blades stopped before reversing blade direction.

8. Avoid placing objects in the path of the blades.

9. To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.

10. Do not use water or detergents when cleaning the fan or fan blades. A dry dust cloth or lightly dampened cloth will be suitable for most cleaning.

11. After marking electrical connections, spliced conductors should be turned upward and pushed carefully up into outlet box. The wires should be spread apart with the grounded conductor and the equipment-grounding conductor on one side of the outlet box.

12. Electrical diagrams are reference only. Light kit that are not packed with the fan must be CUL Listed and marked suitable for use with the model fan you are installing. Switches must be CUL General Use Switches. Refer to the Instructions packaged with the light kits and switches for proper assembly.

WARNING
TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE BRACKETS (ALSO REFERRED TO AS FLANGES) DURING ASSEMBLY OR AFTER INSTALLATION. DO NOT INSERT OBJECTS IN THE PATH OF THE BLADES.

ATTENTION
Under the Energy Policy Act of 2005, federal regulations require all ceiling fans with light kits manufactured or imported after January 1, 2009, to limit the total wattage consumed by the light kit to 190 watts. Therefore, this product is equipped with a 190W limiting device. If lamping exceeds 190 watts, the light kit will shut off automatically until the proper wattage of bulbs are installed. Reset the light kit by turning it off, replacing the bulbs with the correct wattage, and then turning the light kit back on.

4. MOUNTING OPTIONS

If there isn't an existing CUL listed mounting box, then read the following instructions. Disconnect the power by removing fuses or turning off circuit breakers.

Secure the outlet box directly to the building structure. Use appropriate fasteners and building materials. The outlet box and its support must be able to fully support the moving weight of the fan (at least 50 lbs). Do not use plastic outlet boxes.

Figures 1 and 2 are examples of different ways to mount the outlet box.

To hang your fan where there is an existing fixture but no ceiling joist, you may need an installation hanger bar as shown in Figure 3.

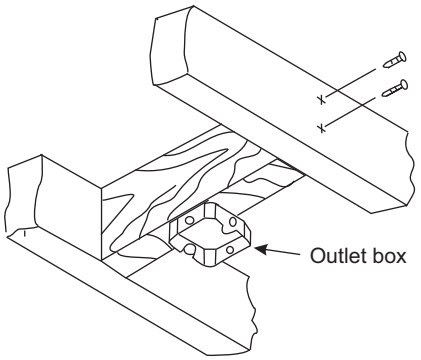


Figure 1

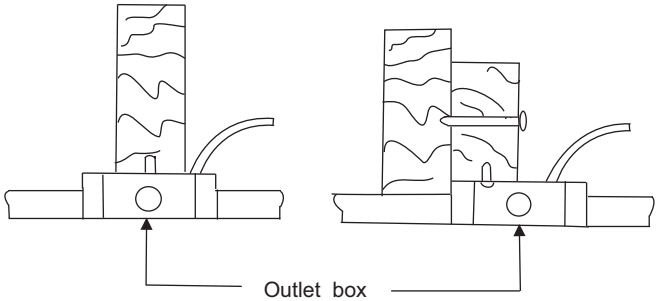


Figure 2

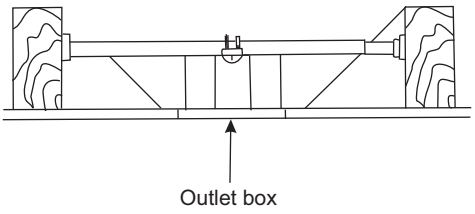


Figure 3

5. HANGING THE FAN

REMEMBER to turn off the power. Follow the steps below to hang your fan properly:

Step 1. Remove the mounting bracket from the fan motor assembly. (Fig. 4)

Step 2. Attach the mounting bracket to the outlet box with two screws and washers provided with the outlet box. Make sure the bracket is tight and secured. (Fig. 5)

Step 3. Lift fan into position by hanging the motor assembly onto the hook from the ceiling mounting bracket allowing it to hang freely. (Fig. 6)

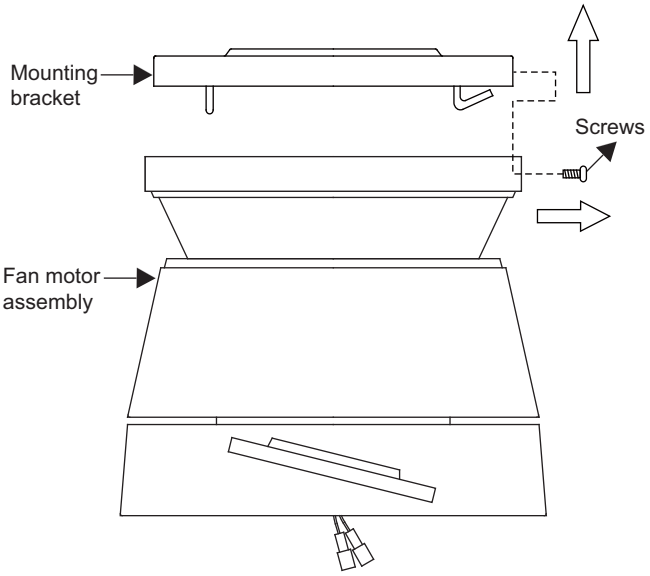


Figure 4

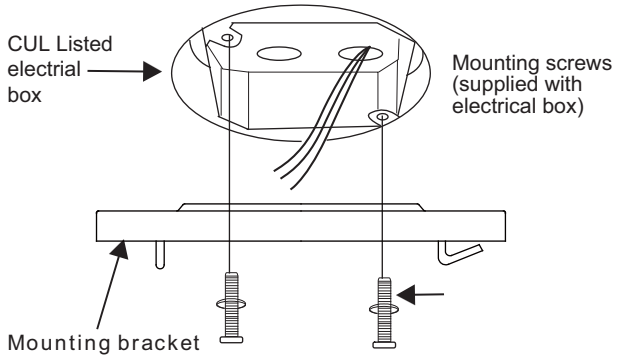


Figure 5

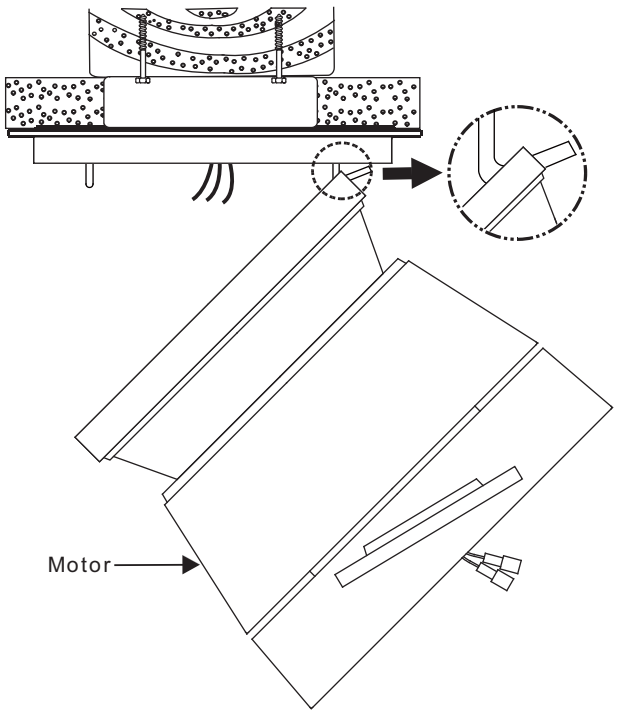


Figure 6

6. INSTALLATION OF SAFETY SUPPORT

An additional safety support is provided to prevent the fan from falling. Secure the safety cable to the ceiling joist with screw and washer, as illustrated in Figure 7.

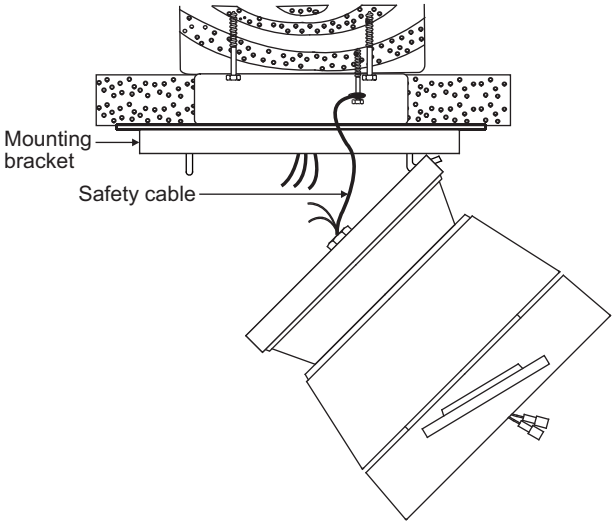


Figure 7

7. MAKE THE ELECTRIC CONNECTIONS

Remember to disconnect the power.
If you feel you do not have enough electrical wiring knowledge or experience, have your fan installed by a licensed electrician.

This remote control unit is equipped with 16 code combinations to prevent possible interference from or to other remote units. The frequency switches on your receiver and transmitter have been preset at the factory. Please recheck to make sure the switches on the transmitter and the receiver are set to the same position, any combination of settings will operate the fan as long as the transmitter and receiver are set to the same position. (Figure 8)

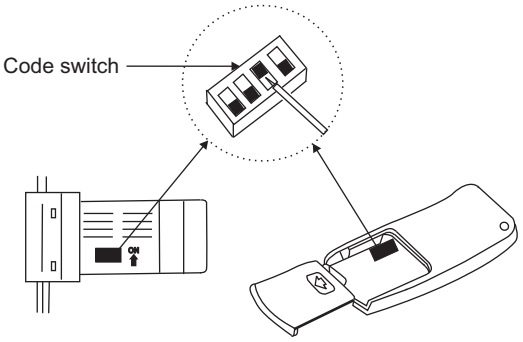


Figure 8

Step 1 Connect the fan supply (black) wire to the black household supply wire as shown in Figure 9.

Step 2. Connect the neutral fan (white) wire to the white neutral household wire.

Step 3 Connect the fan ground wire (green) to the household ground wire.

Step 4 After connecting the wires, spread them apart so that the green and white wires are on one side of the outlet box and the black wires are on the other side.

Step 5 Turn the connecting nuts upward and push the wiring into the outlet box.

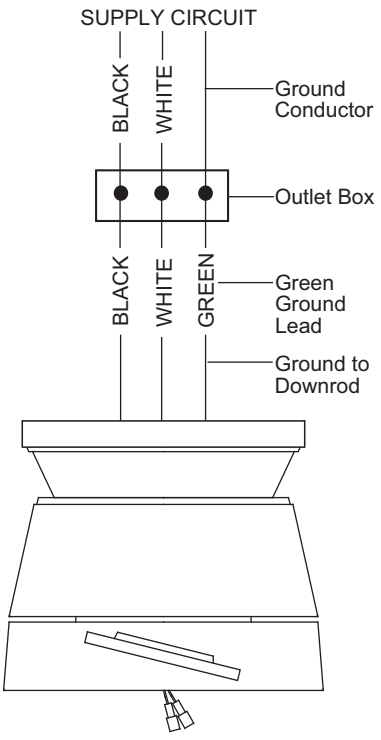


Figure 9

8. FINISHING THE INSTALLATION

Step 1. Loosen two of the four screws from the mounting bracket and remove the other two.

Step 2. Remove the motor assembly from the mounting bracket hook and engage the key holes to the two screws previously loosened.

Step 3. Install the two screws previously removed and tighten all four screws.

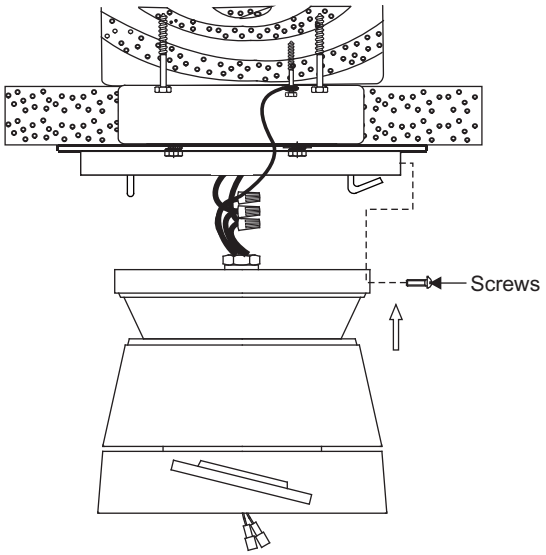


Figure 10

9. ATTACHING THE FAN BLADES

Caution: Motor is shipped with motor support plate prevent movement during transportation. Remove the screws from the motor support plate, discard the motor support plate and keep the light kit for future use . (Fig. 11)

Insert the blades through the blade slot in the decorative housing. Align the holes in blade and blade bracket, secure with blade support plate, screws and fiber washers provided. (Fig. 11)

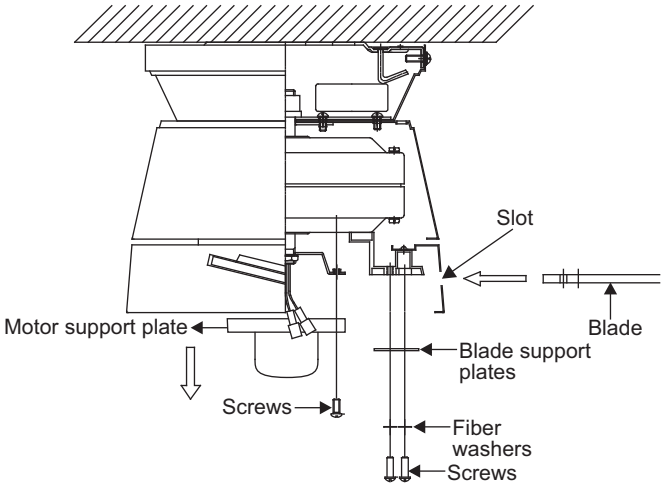


Figure 11

10. INSTALLATING THE MOUNTING PLATE

Step 1. Remove the 1 of 3 screws from the mounting ring and loosen the other 2 screws. (Do not remove)

Step 2. Place the key holes on the light kit over the 2 screws previously loosened from the mounting ring, turn mounting plate until it locks in place at the narrow section of the key holes. Secure by tightening the 2 screws previously loosened and the one previously removed. (Fig. 12)

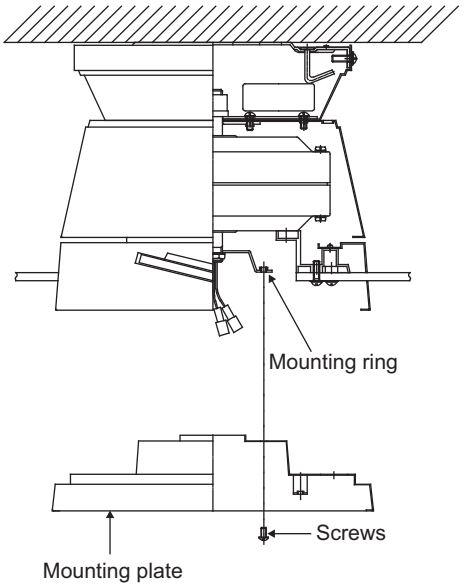


Figure 12

11. INSTALLING THE LIGHT KIT

NOTE: Before starting installation, disconnect the power by turning off the circuit breaker or removing the fuse at fuse box. Turning power off using the fan switch is not sufficient to prevent electric shock.

Step 1. Remove the 1 of 3 screws from the mounting plate and keep it for future use. Loosen the other 2 screws (Do not remove).

Step 2. Raise and hold the light kit close to the mounting plate and proceed to do the wire connections. Connect the white wire connectors from the light kit and fan, follow the same procedure with the black wire connectors. (Fig. 13)

Step 3. Tuck connections neatly into mounting plate, Place the light plate key holes over the 2 screws previously loosened from the mounting ring, turn light kit until it locks in place at the narrow section of the key holes. secure by tightening the 2 screws previously loosened and the one previously removed. (Fig. 13)

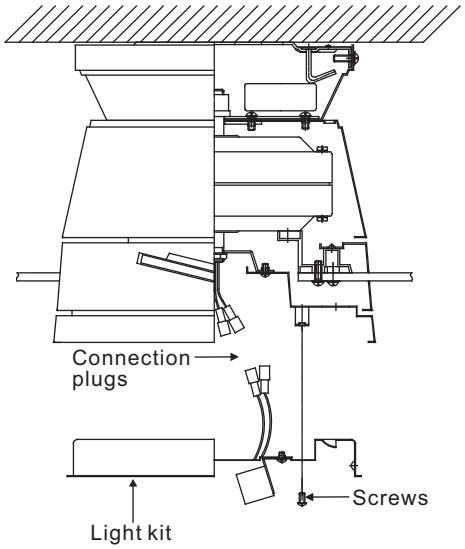


Figure 13

12. INSTALLING THE LIGHT BULB & GLASS SHADE

Step 1. Install 1 x 100W (MAX.) halogen bulb (included).

Step 2. Raise glass shade up against the mounting plate and secure it to fan by turning glass clockwise until snug. Do not overtighten. (Fig. 14)

Step 3. Restore power and your light kit is ready for operation.

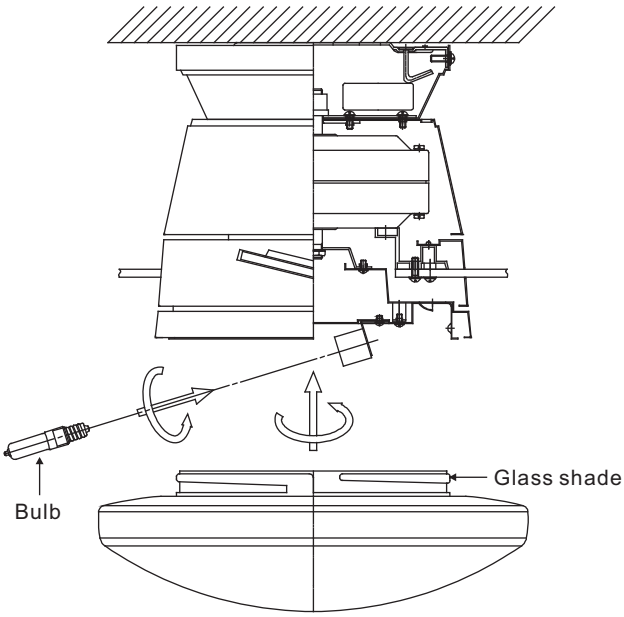


Figure 14

13. INSTALLING THE BATTERY

Install 9 volt battery (included), to prevent damage to transmitter, remove the battery if not used for long periods. (Fig. 15)

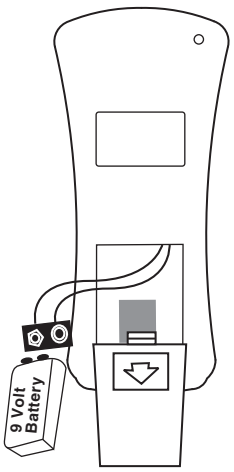


Figure 15

14. OPERATING INSTRUCTIONS

Restore power to ceiling fan and test for proper operation.

A. **HI**, **MED**, and **LOW** buttons:
These three buttons are used to set the fan speed as follows:
HI= high speed
Med= medium speed
Low= low speed

B. **OFF** button:
This button turns the fan off.

C. button:
This button controls the light. Press and release the button to turn the light ON or OFF. Press and hold the button to set the desired brightness. The light key has an auto-resume, it will stay at the same brightness as the last time it was turned off.

The Reverse switch is located on the top of the motor housing. Slide the switch to the Left for warm weather operation. Slide the switch to the Right for cool weather operation.

Speed settings for warm or cool weather depend on factors such as the room size. Ceiling height, number of fans and so on.

NOTE: Wait for fan to stop before changing the setting of the slide switch.

Warm weather - (Forward) A downward airflow creates a cooling effect as shown in Fig. 17. This allows you to set your air conditioner on a warmer setting without affecting your comfort.

Cool weather - (Reverse) An upward airflow moves warm air off the ceiling area as shown in Fig. 18. This allows you to set your heating unit on a cooler setting without affecting your comfort.

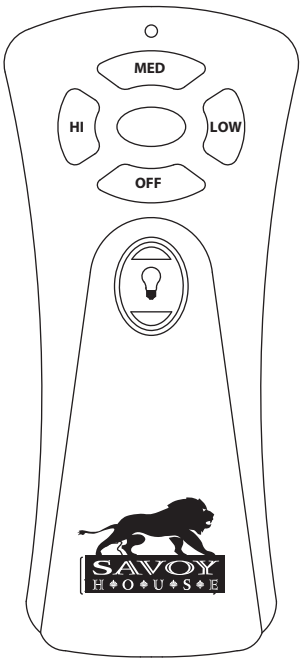


Figure 16

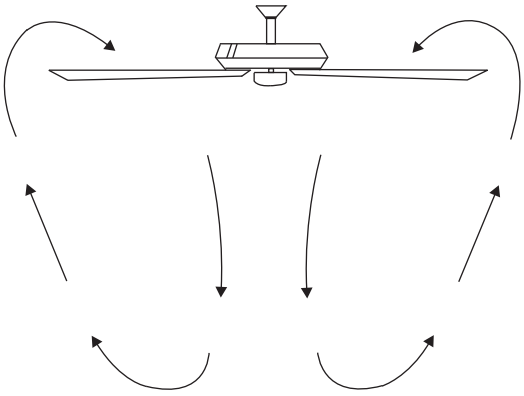


Figure 17

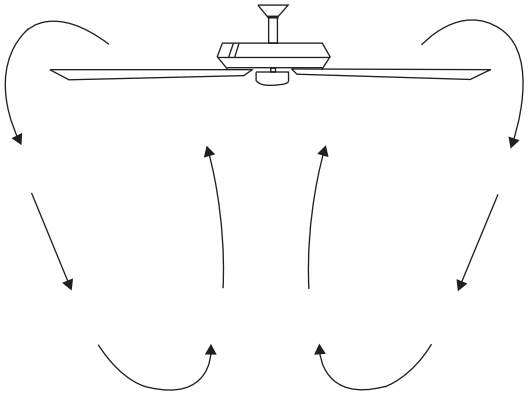


Figure 18

15. TROUBLESHOOTING

Problem	Solution
Fan will not start.	1. Check circuit fuses or breakers. 2. Check line wire connections to the fan and switch wire connections in the switch housing. **CAUTION:** Make sure main power is off. 3. Check to make sure the dip switches from the transmitter and receiver are set to the same frequency.
Fan sounds noisy.	1. Make sure all motor housing screws are snug. 2. Make sure the screws that attach the fan blade bracket to the motor hub is tight. 3. Make sure wire nut connections are not rubbing against each other or the interior wall of the switch housing. **CAUTION:** Make sure main power is off. 4. Allow a 24-hour "breaking-in" period. Most noise associated with a new fan disappear during this time. 5. If using an optional light kit, make sure the screws securing the glassware are tight. Check that light bulb is also secure. 6. Do not connect the fan with wall mounted variable speed control (s) 7. Make sure the upper canopy is a short distance from the ceiling. It should not touch the ceiling.
Lights shut off and will not come back on.	1. This unit is equipped with a wattage limiting device. Lamping in excess of 190 watts will disable your ceiling fan's light kit. To reset your light kit you must turn the power off and re lamp, keeping the wattage under 190 watts. Restore power to your ceiling fan and continue normal operation.
Remote control malfunction:	1. Do not connect the fan with wall mounted variable speed control (s) 2. Make sure the dip switches are set correctly.